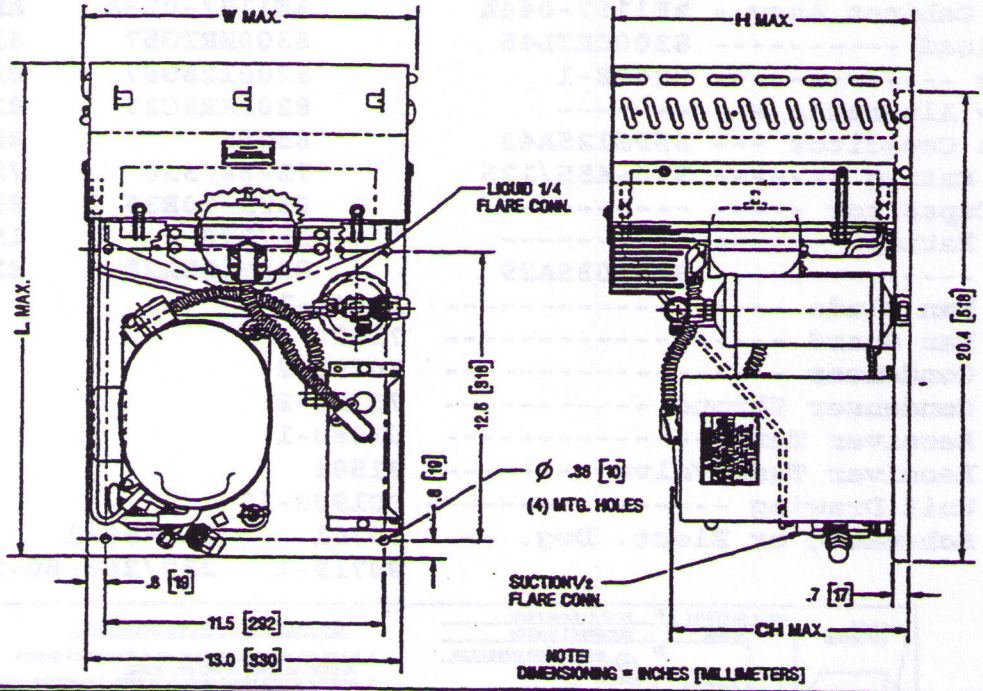
TECUMSEH HERMETIC CONDENSING UNITS

Date: 9-5-95

MODEL AKA9440Z**XC (Formerly AK9440ZC) R-404A 1/2 HP AIR COOLED



Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AKA9440Z**XC	20.6	14.0	13.2	10.0	½ F	¼ F	3.0	575	17	71

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - MUST BE EVACUATED 60 HZ Performance

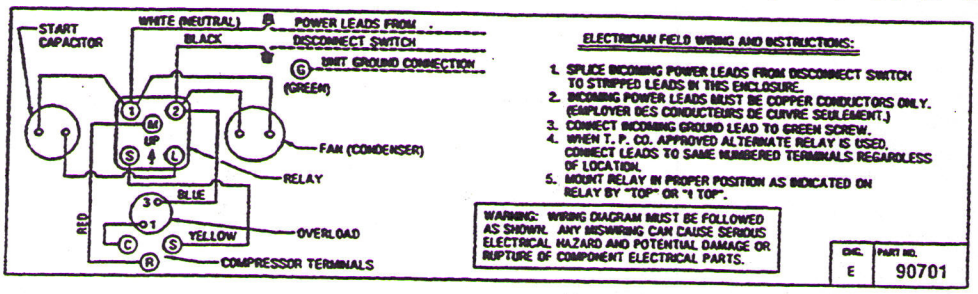
Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-10	23.9	1700	560	240	1200	500	265	750	420	295
-5	28.2	2000	625	245	1550	580	275	1000	510	305
0	32.8	2375	690	255	1900	660	285	1300	590	315
5	37.9	2775	740	265	2275	730	295	1650	670	325
10	43.3	3200	800	275	2650	790	305	2000	750	335
15	49.2	3650	860	285	3050	850	315	2375	830	345
20	55.5	4050	920	295	3450	910	330	2750	900	360
25	62.2	4500	980	310	3900	975	340	3150	970	370
30	69.5	5000	1040	320	4325	1040	355	3550	1040	385
35	77.2	5525	1100	335	4750	1100	365	3975	1100	395
40	85.5	6050	1160	345	5200	1160	380	—	—	—
45	94.3	6575	1220	360	5650	1220	390	—	—	—
50	103.7	7100	1275	375	6150	1275	405	—	—	—
55	113.7	7600	1330	385	—	—	—	—	—	—

Based on 40 ° F return gas, 5 ° F subcooling

Date: 9-9-95

SPECIFICATIONS	AKA9440ZXAXC	AKA9440ZXDXC	AKA9440ZXCXC
Nominal Voltage	115-60-1	230/208-60-1	240/220-50-1
Unit B/M	2D291-1	2D292-1	2D293-1
Voltage Range	126.5 to 103.5	253 to 187	264 to 198
Min. Circuit Ampacity	12.9	6.1	5.4
Max. Fuse Size (Amps)	20	15	15
Compressor Model	AKA9438ZXA	AKA9438ZXD	AKA9438ZXC
Bill of Material	AK175AT-035-P2	AK175ET-035-P2	AK175JT-035-P2
RLA/LRA	9.2/58.8	4.3/31.0	3.9/26.3
Cap. Cabinet Assy.	AE1197-044A	AE1197-029A	AE1197-064A
Overload	8300CRTL45	8300MRTG57	8300MRTL94
Relay	82498-1	8200128G87	820ARR3E39
Relay Alternate	-------	820ARR3C29	820F128H01
Start Capacitor	85PS125A43	85685	85PS250C30
Rating	378-455/125	72-88/330	72-88/250
Run Capacitor	----------	85PR370E36	85PR370E36
Rating	----------	15/370	15/370
Fan Motor	810M035A29	820M035A28	810M035A30

Fan Blade	51541-1	
Fan Guard	71020	
Condenser	50798-2	
Condenser Shroud	70724-2	
Receiver Tank	51080-1	
Receiver Tank Valve	31584	
Unit Drawing	SU1909-17	
Schematic or Elect. Dwg.	90701	115-60-1
	90719-1	230/208-60-1 & 240/220-50-1


START CAPACITOR
WHITE (NEUTRAL)
BLACK
POWER LEADS FROM DISCONNECT SWITCH
UNIT GROUND CONNECTION
(GREEN)
FAN (CONDENSER)
RELAY
BLUE
RED
YELLOW
OVERLOAD
COMPRESSOR TERMINALS
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS:
1. SPLICE INCOMING POWER LEADS FROM DISCONNECT SWITCH TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.)
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T. P. CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION.
5. MOUNT RELAY IN PROPER POSITION AS INDICATED ON RELAY BY "TOP" OR "I TOP".
WARNING: WIRING DIAGRAM MUST BE FOLLOWED AS SHOWN. ANY MISWIRING CAN CAUSE SERIOUS ELECTRICAL HAZARD AND POTENTIAL DAMAGE OR RUPTURE OF COMPONENT ELECTRICAL PARTS.
CHG. E
PART NO. 90701